AUTHOR INDEX

Abderrahman, W. (Dhahran, Saudi Arabia)
Water management plan for the Al-Hassa Irrigation and Drainage Project in Saudi Arabia 185
Anastiasiadou-Partheniou, L. and Terzidis, G. (Thessaloniki, Greece)
A dissipative finite element model for discontinuous unsteady flow in open channel 157
Balabanis, P., *see* Vachaud, G. et al.
Bassett, D.L., *see* Omer, M.A. et al.
Benedini, M. (Rome, Italy)
Development and possibilities of optimization models 329
Brzesowsky, W.J. and Van Vilsteren, A.E.M. (Arnhem, The Netherlands)
An economic evaluation of sugar cane production under different water supply systems in Thailand 65
Campbell, B.J., *see* Maheshwari, B.L. et al.
Cecconi, G. (Venezia, Italy)
Step-ahead state forecasting using streamflow observations 169
Chander, S., *see* Rao, N.H. et al.
Cuttle, S.P. and Mason, D.J. (Aberystwyth, Great Britain)
A flow-proportional water sampler for use in conjunction with a V-notch weir in small catchment studies 93
De Jong, J.J., *see* Hilhorst, M.A. and De Jong, J.J.
Demetriou, J.D. and Nanou-Giannarou, A.I. (Athens, Greece)
Water conveyance in channels with semicircular cross section 273
Doneva, E., *see* Shopsky, N. et al.
Erlich, M. (Grenoble, France)
On the modelling of the infiltration process in arid zones for irrigation project purposes with the aid of the 'Système Hydrologique Européen' (SHE) 195
Feddes, R.A. (Wageningen, The Netherlands)
Modelling and simulation in hydrologic systems related to agricultural development: state of the art 235
Feyen, J., *see* Van Aelst, P. et al.
Ghali, G.S. and Svehlik, Z.J. (Southampton, Great Britain)
Soil-water dynamics and optimum operating regime in trickle-irrigated fields 127
Hilhorst, M.A. (Wageningen, The Netherlands) and De Jong, J.J. (Amsterdam, The Netherlands)
A dielectric tensiometer 411
Hopmans, J.W. and Van Immerzeel, C.H. (Wageningen, The Netherlands)
Variation in evapotranspiration and capillary rise with changing soil profile characteristics 297
Jacovides, C., Papaioannou, G. and Kerkides, P. (Athens, Greece)
Micro and large-scale parameters evaluation of evaporation from a lake 263
Jenkins, A., *see* Smedema, L.K. and Jenkins, A.
Karamouzis, D., Zissis, T. and Terzidis, G. (Thessaloniki, Greece)
Non-dimensional diagrams for unsteady drainage problems with or without recharge 145
Kerkides, P., *see* Poulovassilis, A. et al.
see also Jacovides, C. et al.
Kindler, J. (Warsaw, Poland)
Modeling derived demand for irrigation water 403

Kos, Z. (Rijeka, Yugoslavia)
Conjuctive use of water for irrigation, municipal and industrial water supply in Istra, Yugoslavia 211
Maheshwari, B.L., Turner, A.K., McMahon, T.A. (Parkville, Vic., Australia) and Campbell, B.J. (Kerang, Vic., Australia)
An optimization technique for estimating infiltration characteristics in border irrigation 13
Mason, D.J., *see* Cuttle, S.P. and Mason, D.J.
McMahon, T.A., *see* Maheshwari, B.L. et al.
Nanou-Giannarou, A.I., *see* Demetriou, J.D. and Nanou-Giannarou, A.I.
Nemec, J. (Geneva, Switzerland)
Role of hydrological forecasts and river flow modelling in rational agricultural water management in the perspective of a climate change – a case study of the Rivers Upper Nile and Niger 383
Nikolov, I., *see* Shopsky, N. et al.
Omer, M.A., Saxton, K.E. and Bassett, D.L. (Pullman, WA, U.S.A.)
Optimum sorghum planting dates in western Sudan by simulated water budgets 33
Papaioannou, G., *see* Jacovides, C. et al.
Papoutsi-Psychoudaki, S. and Sutton, P. (Cambridge, Great Britain)
Details of the flow and bottom pressure downstream of a thin-plate weir 369
Polychronides, M. *see* Poulovassilis, A. et al.
Poulovassilis, A., Polychronides, M. and Kerkides, P. (Athens, Greece)
Evaluation of various computational schemes in calculating unsaturated hydraulic conductivity 317
Raes, D., *see* Van Aelst, P. et al.
Ragab, R.A., *see* Van Aelst, P. et al.
Rao, N.H., Sarma, P.B.S. and Chander, S. (New Delhi, India)
A simple dated water-production function for use in irrigated agriculture 25
Rydzewski, J.R. (Southampton, Great Britain)
Irrigation project appraisal: outline of principles 359
Sarma, P.B.S., *see* Rao, N.H. et al.
Saxton, K.E., *see* Omer, M.A. et al.
Schouwenaars, J.M. (Wageningen, The Netherlands)
Rainfall irregularity and sowing strategies in Southern Mozambique 49
Shopsky, N., Doneva, E. and Nikolov, I. (Sofia, Bulgaria)
Characteristics of mole drainage as a major ameliorative technique for surface-waterlogged soils 307
Singh, P. (Hisar, India) and Wolkewitz, H. (Berlin, Federal Republic of Germany)
Evapotranspiration, pan evaporation and soil water relationships for wheat (*Triticum aestivum*) 65
Smedema, L.K. and Jenkins, A. (Arnhem, The Netherlands)
Desalinisation of recently accreted coastal land in the eastern part of the Bay of Bengal, Bangladesh 1
Sutton, P., *see* Papoutsi-Psychoudaki, S. and Sutton, P.
Svehlik, Z.J., *see* Ghali, G.S. and Svehlik, Z.J.
Terzidis, G., *see* Karamouzis, D. et al.
see also Anastiasiadou-Partheniou, L. and Terzidis, G.
Tiligadas, E. (Thessaloniki, Greece)
Effect of different parameters on entrance resistance of corrugated plastic drains 225
Tsakiris, G. (Athens, Greece)
Daily potential evapotranspiration modelling 393

Editorial 111
Turner, A.K., *see* Maheshwari, B.L. et al.
Vachaud, G. Vauclin, M. and Balabanis, P. (St. Martin D'Hères, France)
Stochastic approach of soil water flow through the use of scaling factors: measurement and simulation 249
Van Aelst, P. (Leuven, Belgium), Ragab, R.A. (Alexandria, Egypt), Feyen, J. and Raes, D. (Leuven, Belgium)
Improving irrigation management by modelling the irrigation schedule 113
Van Immerzeel, *see* Hopmans, J.W. and Van Immerzeel, C.H.
Van Vilsteren, A.E.M., *see* Brzesowsky, W.J. and Van Vilsteren, A.E.M.
Varlev, I. (Sofia, Bulgaria)
Optimizing the uniformity of irrigation and fertilization 285
Vauclin, M., *see* Vachaud, G. et al.
Wesseling, J. (Wageningen, The Netherlands)
Book review of *Automated Farm Surface Irrigation Systems Worldwide*, by A.S. Humpherys 101
Wolkewitz, H., *see* Singh, P. and Wolkewitz, H.
Zissis, T., *see* Karamouzis, D. et al.